

Title (en)

FINE-GRAINED RARE EARTH ACTIVATED ZINC SULFIDE PHOSPHORS FOR ELECTROLUMINESCENT DISPLAYS

Title (de)

FEINKÖRNIGE MIT SELTENEN ERDEN AKTIVIERTE ZINKSULFID -LEUCHTSTOFFE FÜR ELEKTROLUMINISZENTE ANZEIGEN

Title (fr)

PHOSPHORES AU SULFURE DE ZINC A GRAINS FINS, ACTIVES PAR TERRE RARE, POUR ECRANS LUMINESCENTS

Publication

**EP 1532844 A1 20050525 (EN)**

Application

**EP 03790587 A 20030825**

Priority

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- US 40666102 P 20020829

Abstract (en)

[origin: WO2004021745A1] An improved fine grained zinc sulfide phosphor is provided for use in ac electroluminescent displays. The fine-grained zinc sulfide phosphor film exhibits improved luminance and may be used in conjunction with a structure or substance to minimize or prevent reaction of the fine grained phosphor with oxygen. The invention is particularly applicable to zinc sulfide phosphors used in electroluminescent displays that employ thick dielectric layers subject to high processing temperatures to form and activate the phosphor films.

IPC 1-7

**H05B 33/10**; **H05B 33/22**; **C09K 11/84**

IPC 8 full level

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CPC (source: EP US)

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